

CLAIMS

1. Device for mounting and dismounting a bearing assembly (3) of the roll neck (1) of the backup roll of a rolling stand, wherein the bearing assembly (3) comprises a chock and a roll neck bearing mounted in the chock, characterized by a nut (8) that can be secured on the roll neck (1) and that can be supported with pretensioning on the bearing assembly (3).

2. Device in accordance with Claim 1, characterized by the fact that an anchorage fixture (5), which extends in the axial direction of the roll, acts on the roll neck (1); that the anchorage fixture (5) supports a cap disk (6) that can be axially displaced on the anchorage fixture (5), which cap disk (6) is supported at one end on a nut (8) that can be moved on the anchorage fixture (5) by screwing and at the other end on the bearing assembly (3); and that a hydraulic pretensioning tool (16) can be temporarily assigned to the nut (8) and can apply a mounting force between the anchorage fixture (5) and the cap disk (6), which is supported on the bearing assembly (3).

3. Device in accordance with Claim 2, characterized by the fact that the nut (8) can be screwed down against the cap disk (6) with the anchorage fixture (5) pretensioned and is

irreversibly secured against torsion by the tensioning forces between the anchorage fixture (5) and the nut (8).

4. Device in accordance with Claim 2 or Claim 3, characterized by the fact that an anti-twisting element (9) is assigned to the cap disk (6).

5. Device in accordance with any of Claims 1 to 4, characterized by the fact that when the roll is stopped, the hydraulic pretensioning tool (16) can be coupled to the anchorage fixture (5) and, driven by an external hydraulic source, can be adjusted against the cap disk (6).

6. Device in accordance with the introductory clause of Claim 1, characterized by the fact that a dismantling unit (11) can be temporarily coupled with the bearing assembly (3), and that a hydraulic cylinder (15) of the dismantling unit (11) can be supported on the roll neck (1).

7. Device in accordance with Claim 6, characterized by the fact that the dismantling unit (11) can be universally used for both bearings of a roll.

8. Device in accordance with Claim 6 or Claim 7, characterized by the fact that the dismantling unit (11) can be bolted together with the bearing assembly (3).

9. Device in accordance with Claim 6 or Claim 7, characterized by the fact that the dismounting unit (11) can be coupled with the bearing assembly (3) by a bayonet socket.

10. Device in accordance with Claim 6 or Claim 7, characterized by the fact that the dismounting unit (11) has claws that grip behind the bearing assembly (3).

11. Device in accordance with any of Claims 6 to 10, characterized by the fact that the hydraulic cylinder (15) can be supported on the end face of the roll neck (1).

12. Device in accordance with the introductory clause of Claim 1, characterized by the use of a nut (8) that can be supported with pretensioning on the bearing assembly (3) in accordance with any of Claims 1 to 5 and by the use of a dismounting unit (11) in accordance with any of Claims 6 to 11.

13. Device in accordance with the introductory clause of Claim 1, characterized by the use of a previously known hydraulic nut (17) or mechanical nut and a dismounting unit (11) in accordance with any of Claims 6 to 11.